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Atty. Dkt. No. 035394-0256

REMARKS

Applicant respectfully requests that the foregoing amendments be made prior to examination of the present application.

In the specification, paragraphs have been amended on pages 11, 12, 54, 55 and 60.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Respectfully submitted,

Date 8 November 2004

FOLEY & LARDNER LLP Customer Number: 22428

Telephone:

(202) 672-5404

Facsimile:

(202) 672-5399

Stephen A. Bent
Attorney for Applicant

Registration No. 29,768

Amendments to the Drawings:

The drawing sheets attached in connection with the above-identified application containing Figure(s) 1-15C are being presented as a new formal drawing sheet or sheets to be substituted for the previously submitted drawing sheet or sheets. The drawing Figures 1-15C have been amended. Appended to this amendment is an annotated copy of the previous drawing sheets which has been marked to show changes presented in the replacement sheets of the drawings.

Appl. No.: 10/802,039

Chemistry Platform of Polymer Blen

Ligand Functionalized Dextran



Photo-linker Modified Dextran



Blend



Fluorescent Labelled-

Un-modified Dextran

Dextran

Un-modified dextran (as a diluent of ligand functionalized dextran and/or photolinker modified dextran to adjust ligand and cross linker density)

Fluorescence labeled dextran-

Figure 1

AX-Copolymer Synthesis



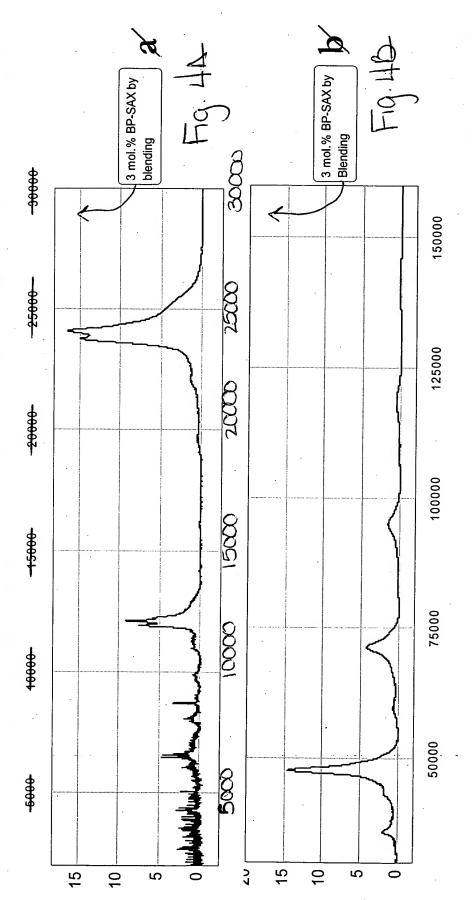
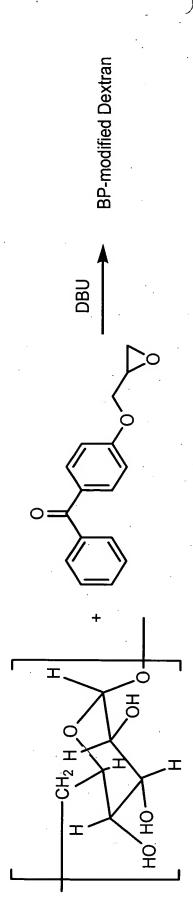


Figure 4

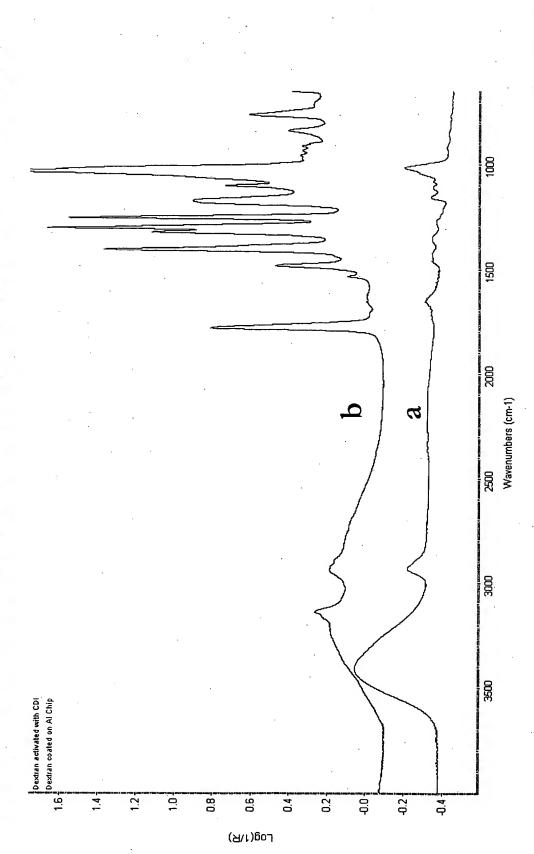
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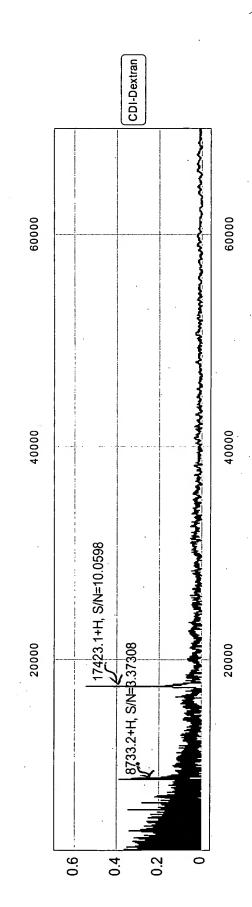
4-(Glycidyloxy)benzophenone





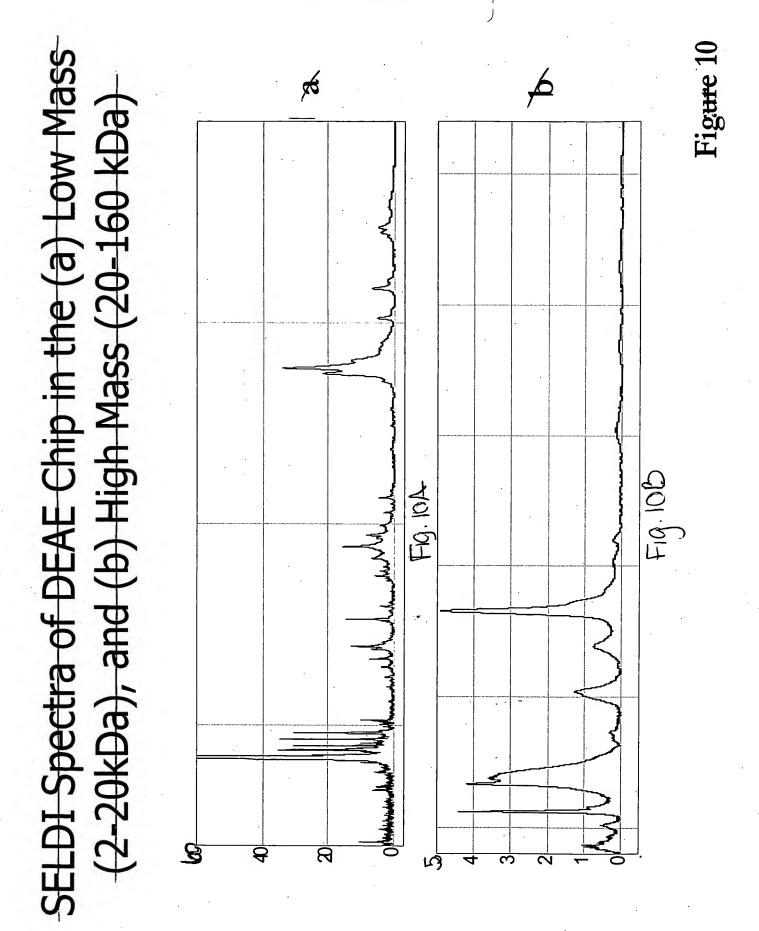


of CDI-Dextran Chip Use



Title: PHOTOCROSSLINKED HYDROGEL BLEND SURFACE COATINGS

Inventor(s): Wenxi HUANG et al. Appl. No.: 10/802,039



AEP Gel Coated Fig. 118

Bare Substrate

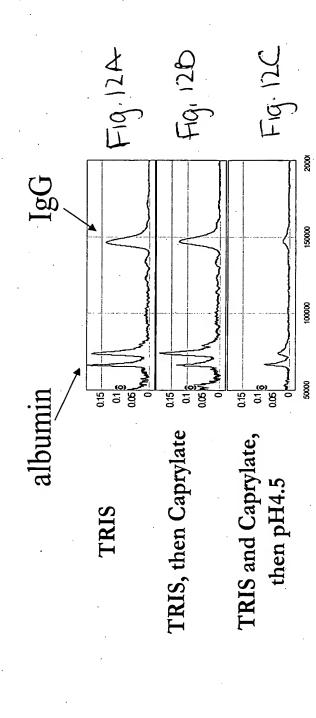


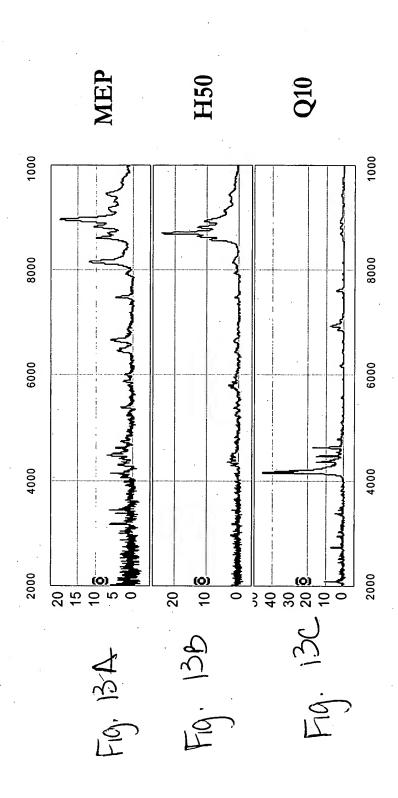
ective Binding/Washing of IgG on N

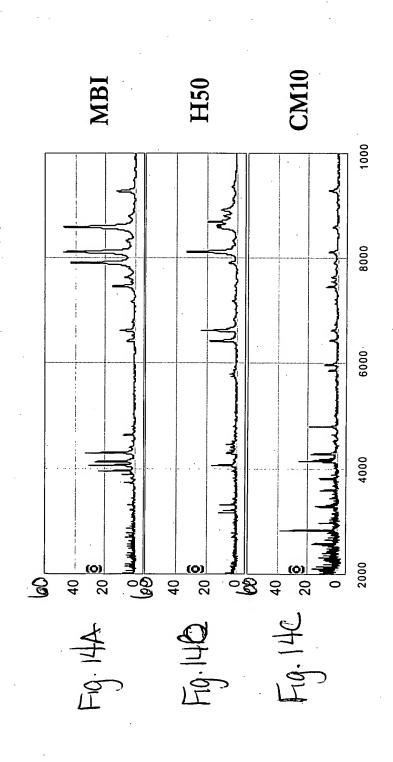
Array at physiological condition **UgG** is strongly bind to MEP

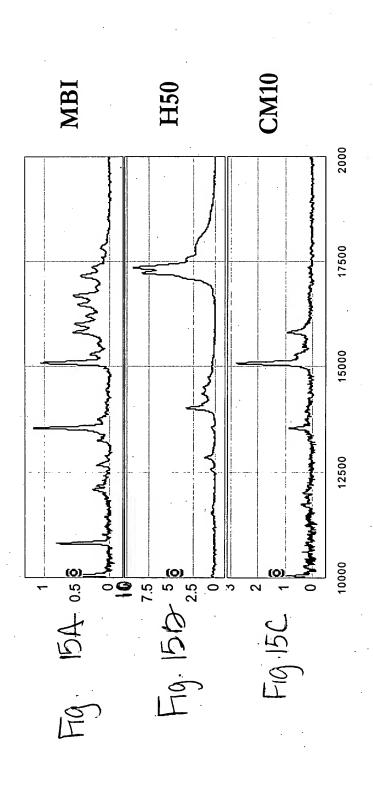
Albumin is washed off little more with hydrophobic detergent like Caprylate

Then by lowering pH to 4.5 where MEP becomes charged, IgG is washed of









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